

Policy & Procedure (P & P)

Policy Title :

HEMOCUE System Quality Control

Department	Index No.	Scope
Laboratory & Blood Bank	LAB-114	BLOOD BANK STAFF
Issue Date	Revision NO	Effective Date
14/10/1432	3	1441/7/19
Review Due Date	Related Standard NO.	Page Number#
1443/7/19	CBAHI (LB.34)	3

01. Policy:

The HemoCue System is controlled at the day of use by using HemoCue control (Low and High) of known concentration.

02. Definition :

02.1. HemoCue : a special device to measure the Hemoglobin level in the donor

03. Purpose :

The HemoCue System results are is verified using a special Eurotrol HemoTrol hemoglobin control to ensure the precision and the accuracy of the system and the results.

04. Procedure :

Materials:

- 1-HemoCue Hb201 analyser.
- 2-Main adaptor.
- 3- HemoCue Hb201microcuvette.
- 4-HemoCue control: Eurotrol HemoTrol (Low ,Normal & High).
- 5- Slides.

Method:

1. Prepare 3 clean slides.



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2. Allow the vial to stand for 15 minutes at room temperature 15-30 °C
3. Gently mix the vial 8-10 times before sampling.
4. Dispense one drop of the HemoCue Low control onto a slide.
5. Fill the cuvette from the drop.
6. Wipe any excess material from the vial and the cap with a clean tissue. Recap the vial tightly.
7. Put the cuvette in its correct site in the HemoCue machine.
8. After a minute, take the measurement.
9. Write the result in the Hemocue Quality Control Table form.
10. Repeat the same steps with the HemoCue Normal control and the HemoCue High control.
11. NOTE: Do not fill the cuvette from the vial.

Interpretation:

- 1- Compare the results with the accepted ranges written on each HemoCue control level.
- 2- If the control does not perform as expected:
 - review the instructions for use of the instrument to see if the test was performed correctly.
 - Check the expiration date and storage conditions for the control and the cuvettes.
 - Repeat the test.
 - If the control still does not perform as expected, contact technical assistance.

05. Responsibilities :

- 05.1. All Blood Bank Staff of Al-Qunfudah General Hospital.

06. Equipment & Forms

1. Hemocue Quality Control table form

07. Attachment :

- 07.1. N/A

08. Reference

Eurotrol HemoTrol hemoglobin control leaflet



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Preparation, Reviewing & Approval Box

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HEMOCONTROL DAILY QUALITY CONTROL SHEET

Month:

HEMOC CONTROL microcuvette expiry:

DATE	Low level control	Normal level control	High level control	Tech. signature	Supervisor review
	Lot: _____ Expiry: _____ Value: _____g/dl	Lot: _____ Expiry: _____ Value: _____g/dl	Lot: _____ Expiry: _____ Value: _____g/dl		
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